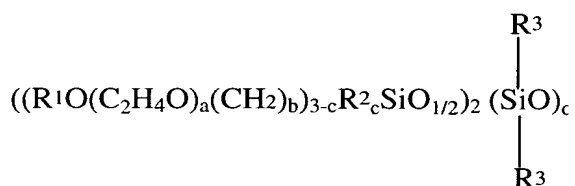


CLAIMS

Having described the invention that which is claimed is:

1. A polymeric fabric treated with a silicone compound selected from the group consisting of:

- 1) polysiloxane polyethers having the formula:

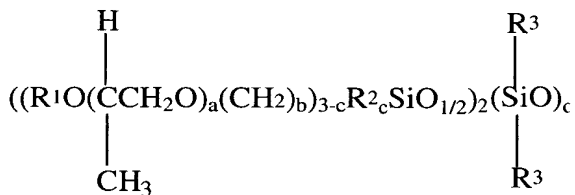


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where  $R^1$  is selected from the group consisting of hydrogen and alkyls and  $R^2$  and  $R^3$  are each independently selected from the group consisting of one to forty carbon atom monovalent hydrocarbon radicals; the subscript a ranges from about 1 to about 8; the subscript b ranges from about 1 to about 10; the subscript c ranges from zero to 2; the subscript d ranges from about 1 to about 10; and the number average molecular weight ranging from ranges from about 300 to about 1,000.

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- 2) polysiloxane polyethers having the formula:



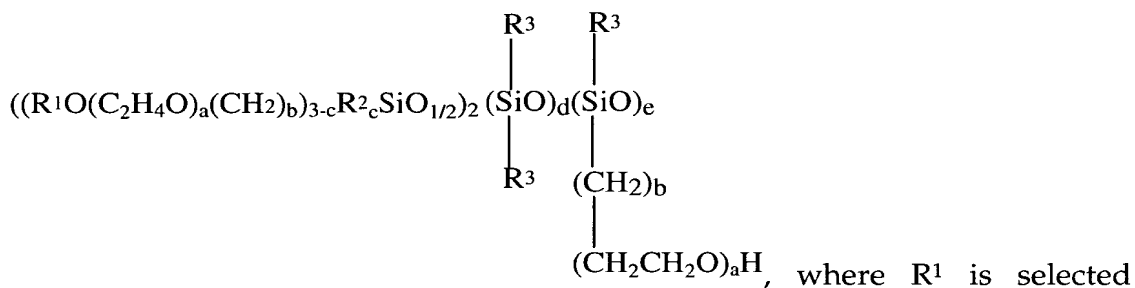
, where  $R^1$  is selected from the group

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consisting of hydrogen and alkyls and  $R^2$  and  $R^3$  are each independently selected from the group consisting of one to forty carbon atom monovalent hydrocarbon radicals; the subscript a ranges from about 1 to about 8; the subscript b ranges from about 1 to about 10; the subscript c ranges from zero to 2; the subscript d ranges from about 1 to about 10; and the number

average molecular weight ranging from ranges from about 300 to about 1,000;

3) polysiloxane polyethers having the formula:

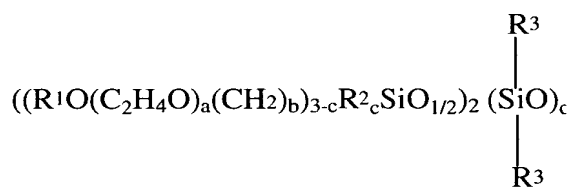


5 from the group consisting of hydrogen and alkyls and  $R^2$  and  $R^3$  are each independently selected from the group consisting of one to forty carbon atom monovalent hydrocarbon radicals; the subscript a ranges from about 1 to about 8; the subscript b ranges from about 1 to about 10; the subscript c ranges from zero to 2; the subscript d ranges from about 1 to about 10; the  
10 subscript e ranges from about 1 to about 10; and the number average molecular weight ranging from ranges from about 300 to about 1,000; and

4) mixtures thereof

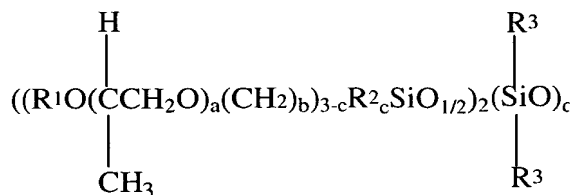
whereby said fabric is rendered durably hydrophilic.

2. The silicone compound of claim 1 wherein said silicone is:

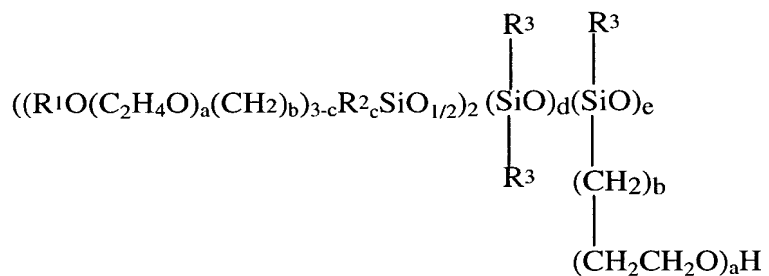


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3. The treatment silicone compound of claim 1 wherein said silicone is:



4. The silicone compound of claim 1 wherein said silicone is:



5. A polymeric fabric wherein said fabric has been treated with the treatment silicone of claim 1.
6. A polymeric fabric wherein said fabric has been treated with the treatment silicone of claim 2.
7. A polymeric fabric wherein said fabric has been treated with the treatment silicone of claim 3.
8. A polymeric fabric wherein said fabric has been treated with the treatment silicone of claim 4.
9. The polymeric fabric of claim 5 comprising a polymer wherein said polymer is selected from the group consisting of:
- alkyd resins, ophthalmic anhydride-glycerol resins, maleic acid-glycerol resins, adipic acid-glycerol resins, phthalic anhydride-pentaerythritol resins; allylic resins cross-linked by diallyl phthalate,

diallyl isophthalate diallyl maleate, or diallyl chlorendate; aniline-formaldehyde resins, ethylene urea-formaldehyde resins, dicyandiamide-formaldehyde resins, melamine-formaldehyde resins, sulfonamide-formaldehyde resins, and urea-formaldehyde resins;

5 epoxy resins, epichlorohydrin-bisphenol A resins; phenolic resins, phenol-formaldehyde resins, end-capped polyacetals, poly(oxymethylene), polyformaldehyde, poly(trichloroacetaldehyde), poly(n-valeraldehyde), poly(acetaldehyde), poly(propionaldehyde), acrylic polymers, polyacrylamide, poly(acrylic acid), poly(methacrylic acid), poly(ethyl acrylate), poly(methyl methacrylate), fluorocarbon polymers, poly(tetrafluoroethylene), perfluorinated ethylene-propylene copolymers, ethylene-tetrafluoroethylene copolymers, poly(chlorotrifluoroethylene), ethylene-chlorotrifluoroethylene copolymers, poly(vinylidene fluoride), poly(vinyl fluoride),

10 polyamides, such as poly(6-aminocaproic acid) or poly(epsilon-caprolactam), poly(hexamethylene adipamide), poly(hexamethylene sebacamide), poly(11-amino-undecanoic acid), polyaramides, poly(imino-1,3-phenyleneiminoisophthaloyl) or poly(m-phenylene isophthalamide), parylenes, poly-p-xylylene, poly(chloro-p-xylylene),

20 polyaryl ethers, poly(oxy-2,6-dimethyl-1,4-phenylene), poly(p-phenylene oxide), polyaryl sulfones, poly(oxy-1,4-phenylenesulfonyl-1,4-phenyleneoxy-1,4-phenylene-isopropylidene-1,4-phenylene), poly(sulfonyl-1,4-phenyleneoxy-1,4-phenylenesulfonyl-4,4'-biphenylene), polycarbonates, poly(bisphenol A) or poly(carbonyldioxy-1,4-phenyleneisopropylidene-1,4-phenylene),

25 polyesters, poly(ethylene terephthalate), poly(tetramethylene terephthalate), poly(cyclohexylene-1,4-dimethylene terephthalate), poly(oxymethylene-1,4-cyclohexylenemethyleneoxyterephthaloyl), polyaryl sulfides, poly(p-phenylene sulfide), poly(thio-1,4-phenylene),

30 polyimides, poly(pyromellitimido-1,4-phenylene), polyolefins,

polyethylene, polypropylene, poly(1-butene), poly(2-butene), poly(1-pentene), poly(2-pentene), poly(3-methyl-1-pentene), poly(4-methyl-1-pentene), 1,2-poly-1,3-butadiene, 1,4-poly-1,3-butadiene, polyisoprene, polychloroprene, polyacrylonitrile, poly(vinyl acetate),  
5 poly(vinylidene chloride), polystyrene, copolymers of the foregoing, acrylonitrile-butadiene-styrene (ABS) copolymers, and mixtures thereof.

10. The polymeric fabric of claim 5 comprising a polymer wherein said polymer is a natural polymer selected from the group consisting of  
10 cotton, silk, wool, and cellulose.

11. The polymeric fabric of claim 9 wherein said polymer is selected from the group consisting of polyethylene, polypropylene, poly(1-butene), poly(2-butene), poly(1-pentene), poly(2-pentene), poly(3-methyl-1-pentene), poly(4-methyl-1-pentene), 1,2-poly-1,3-butadiene, 1,4-poly-  
15 1,3-butadiene, polyisoprene, polychloroprene, polyacrylonitrile, poly(vinyl acetate), poly(vinylidene chloride), polystyrene, copolymers of the foregoing, acrylonitrile-butadiene-styrene (ABS) copolymers, and mixtures thereof.

12. The polymeric fabric of claim 11 wherein said polymer is selected from  
20 the group consisting of polyethylene and polypropylene.

13. The polymeric fabric of claim 12 wherein said polymer is polyethylene.

14. The polymeric fabric of claim 13 wherein said polymer is polypropylene.

15. The polymeric fabric of claim 10 wherein said polymer is cellulose.

25 16. The polymeric fabric of claim 15 wherein said cellulose is paper.